MCP SERVER | NO CODE | CLOUD HOSTED

Batch Cooking Planner MCP for AI Agents

Creating efficient grocery shopping lists from multiple recipes

The Batch Cooking Planner takes a bunch of recipes and turns them into one organized shopping list. You select multiple meals, set the number of servings for each, and it handles all the ingredient math. It aggregates everything by food type—Proteins, Vegetables, Dairy—so you just walk into the store with one actionable list.

A+ Quality Score 100/100

meal-prep | shopping-list | recipe-scaling | batch-cooking | automation

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vinkius.com/mcp/batch-cooking-planner

SCAN TO VIEW

The connectivity layer between AI and the world's software.

Vinkius sits between AI and every application. All communication passes through Vinkius Cloud via the Model Context Protocol (MCP) — with governance, observability, and security at every layer.

Your AI Connections Run Through Vinkius Cloud

The world's largest managed MCP catalog

Vinkius is the connectivity layer where AI connects to the software your business already runs. We handle the hosting, the security, the credentials, the uptime — you get agents that actually do things.

We operate the world's largest managed MCP catalog. Major SaaS platforms, CRMs, databases, and cloud providers — running, monitored, production-ready. This MCP server is hosted and maintained by the Vinkius Cloud for AI Agents.

> *The agent doesn't manage credentials, doesn't manage uptime, doesn't manage security. Vinkius does.*
>
> — Architecture principle

Four Pillars of the Vinkius Runtime

01 — Security by design

Credentials stay encrypted at rest via AES-256. The AI agent never touches raw keys — they're injected into a sandboxed V8 isolate at runtime. Actions are logged, and connections have an emergency kill switch.

02 — Built on MCP Fusion

This MCP server was built with **MCP Fusion**, the open-source framework (Apache 2.0) that powers the entire Vinkius catalog. Schema-as-firewall strips undeclared fields, compiled PII redaction runs at zero overhead, and cryptographic lockfiles produce git-diffable audit trails.

03 — Deterministic observability

Eight immutable metrics per endpoint: request volume, p95 latency, error rate, active connections, cost attribution. A live payload feed logs every tool call with mutation detection.

04 — Autonomous operations

Servers are deployed, monitored, and patched autonomously. New capabilities and security patches ship weekly. Zero-downtime deployments ensure continuous availability across all managed MCP servers.

AES-256	Ed25519	24h TTL	V8 Isolate
Encryption at rest	PKI vault signatures	Ephemeral session keys	Sandboxed execution

One Token. Instant Access.

Every MCP server on Vinkius is accessed through a **Connection Token**. Tokens are generated in the cloud dashboard and produce a unique MCP endpoint URL. Paste this URL into any MCP-compatible client — no SDK required.

A single token can serve **multiple AI clients simultaneously**, or you can issue separate tokens per client for granular access control. Each token tracks its own request count, last activity timestamp, and can be individually enabled or revoked.

MCP ENDPOINT

```
https://edge.vinkius.com/{token}/mcp
```

Claude · Cursor · VS Code · Windsurf · Grok · Gemini

Security Is the Architecture

Security in Vinkius is not a feature — it's the foundation of the runtime. The gateway enforces multiple independent protection layers between AI agents and third-party APIs.

01 — Ed25519 PKI Vault

Every workspace has an Ed25519 Master Key. Session keys are generated ephemerally (24h TTL) and signed by the Master Key. Credentials never leave the vault boundary.

02 — V8 Isolate Sandboxing

Tool code runs inside isolated-vm V8 isolates with 64 MB memory caps and per-request timeouts. No filesystem access, no network access except through the SSRF-guarded fetch bridge.

03 — SSRF Guard

All outbound HTTP requests are DNS-resolved and validated before execution. Private IP ranges (10.x, 172.16-31.x, 192.168.x, AWS metadata 169.254.x) are blocked at the network layer.

04 — DLP & PII Redaction

A ResponseGuard pipeline intercepts every tool response. Configurable redaction patterns strip sensitive fields (emails, SSNs, card numbers) before data reaches the AI agent.

05 — Cryptographic Audit Trail

Every request is signed into a SHA-256 hash chain with Ed25519 signatures. Events form a tamper-proof, SIEM-exportable forensic record.

06 — Honeytoken Trap System

Phantom credentials are injected into isolated environments. If a honeytoken is used outside Vinkius infrastructure, the server is quarantined instantly.

Emergency Kill Switch

EU AI Act Art. 14(1) Compliant

The kill switch is an **emergency halt** mechanism — not a simple toggle. When triggered, it executes three actions atomically:

01 — Server deactivated

The MCP server is immediately taken offline across the entire cluster.

02 — All tokens revoked

Every connection token is invalidated. Total lockout — reconnection blocked until new tokens are issued.

03 — WebSocket connections killed

Active connections terminated via Redis pubsub broadcast. Propagates to every runtime node in the cluster.

Full Visibility. Zero Guesswork.

The Vinkius cloud dashboard includes a full MCP Governance suite — real-time analytics and security controls for production AI operations.

Control Plane

KPI dashboard with request volume, latency, success rate, token consumption, and AI-generated operational briefings.

Agent Activity

Which AI clients are connecting, how often, and what they're doing — real-time session tracking.

FinOps

Cost tracking per tool, payload compression savings, budget optimization signals, and consumption trends.

Tool Health

Slowest and most error-prone tools, with actionable root-cause insights and performance baselines.

Firewall & DLP

PII redaction activity, sensitive data protection counters, and security event timeline.

Incident Log

Error trends, failure rates, status-code breakdowns, and forensic audit trail access.

> Get started at **cloud.vinkius.com** — connect your AI agent in under 60 seconds.

Batch Cooking Planner MCP

3 tools available
Cloud-hosted on Vinkius

Planning weeknight dinners shouldn't mean juggling a dozen separate grocery lists. This MCP solves that headache entirely. Instead of opening multiple recipes and writing down ingredients piece by piece, you feed your agent all your meal plans at once. The system automatically calculates ingredient amounts based on how many people you're feeding for each dish. It doesn't just dump names onto a list; it organizes everything into clear food categories like Proteins or Dairy. When your AI client processes this data through Vinkius, you get one consolidated shopping guide that’s ready to use. You can also check category breakdowns or adjust the portion sizes for any single recipe before generating the final list.

Core Capabilities

01 — Consolidate a master shopping list

It merges ingredients from several different recipes into one clean, organized grocery list.

02 — Adjust ingredient quantities for servings

You can scale any single recipe to match a specific number of target portions.

03 — Count unique ingredients by category

It provides a count of how many different ingredients are in each food group, like Proteins or Vegetables.

One Click on Vinkius — From Prompt to Execution

Available at **vinkius.com/mcp/batch-cooking-planner** — connect your AI agent in three steps.

01 Give your agent the specific recipes you want to cook and the number of servings for every single one.

02 The MCP first uses this data to adjust amounts if needed, then processes all ingredients into a unified list. You can also ask it to count how many unique items fall under each category.

03 You get back a single, categorized shopping list that tells you exactly what needs buying.

The bottom line is: Instead of manual math and multiple lists, your agent handles the entire process in one go.

Built For

This MCP is for anyone running a household who manages meals—from busy parents needing efficiency to dietitians managing large-scale meal plans. If you spend more time making shopping lists than actually cooking, this tool saves your sanity.

Meal Prep Coordinator

Uses the MCP to input 7 days of recipes and generate a single, categorized list for bulk grocery runs.

Family Manager

Handles unexpected schedule changes by asking the agent to scale one recipe down or up instantly, then updating the shopping list.

Dietitian/Nutritionist

Uses the MCP's category counting feature to quickly check ingredient diversity across a full week of recommended meals.

What Changes When You Connect

01 Stop wasting time cross-referencing ingredients. Use `generate_shopping_list` to merge every item into one clear, categorized list.

02 Need to cut down on portions? Run the `scale_recipe` tool to instantly adjust ingredient amounts for any number of servings you need.

03 Know your inventory gaps before you shop. The MCP can use `get_category_counts` to quickly report how many unique ingredients are in, say, your protein section.

04 It saves trips back to the store. Because everything is consolidated and organized by food type (Dairy, Proteins, etc.), you hit all aisles efficiently.

05 You don't have to be a math whiz. The system handles calculating scaled quantities across multiple dishes, so you just focus on dinner ideas.

Real-World Applications

The weekend meal plan dump

A user has 10 recipes saved for the week and needs a shopping trip list. They ask their agent to 'What's my grocery list?' The agent runs `generate_shopping_list`, providing one master document sorted by store aisle, saving hours of manual work.

Sudden change in headcount

The family has a surprise guest. A user asks their agent to scale 'taco night' for 2 extra people. The agent runs `scale_recipe` and updates the entire shopping list, ensuring no ingredient is forgotten.

Checking dietary diversity

A dietitian needs to check if a meal plan covers enough protein sources. They ask the agent for category counts. The agent runs `get_category_counts` and reports back that there are 15 unique proteins planned, confirming balance.

Merging holiday recipes

A user is planning a large potluck with multiple dishes from various people. They feed all the recipes into the agent, which uses `generate_shopping_list` to prevent buying two jars of mustard or three bags of flour.

Patterns to Avoid

Manual list creation

✗ AVOID

Copying ingredients from a recipe card and manually writing them onto a notepad, then repeating this for five different meals.

✓ INSTEAD

Just let your agent run `generate_shopping_list` on all the recipes. It handles the consolidation automatically.

Ignoring portion changes

✗ AVOID

Writing down ingredients assuming 4 people, but then only cooking for 2 because someone got sick.

✓ INSTEAD

Don't guess. Tell your agent to `scale_recipe` first so all measurements are accurate for the actual number of servings.

Over-complicating ingredient checking

✗ AVOID

Trying to manually count every unique vegetable across a week's worth of meals.

✓ INSTEAD

Use `get_category_counts`. It gives you an immediate, accurate tally for Proteins, Vegetables, and Dairy.

The Right Fit

Use this MCP if your pain point is the sheer volume and complexity of planning meals. If you're tired of juggling multiple recipes and creating scattered lists, this tool lets your agent consolidate everything into one actionable shopping document. You should use it whenever you have more than two recipes to track for a single meal prep session. Don't use it if you just need to adjust a single ingredient measurement; that requires simple math outside the scope of list generation. If you only need to check how many unique ingredients are in your pantry, a simple inventory tool might be better, but this MCP is best for *planning* what needs to leave the house.

Batch Cooking Planner and Recipe Scaling: Making Meal Prep Easy

Right now, meal prepping feels like a spreadsheet nightmare. You open Recipe A, write down 2 carrots. Open Recipe B, you find another carrot—do you need two or three? Then you repeat that process for every single dish, constantly shifting between tabs and writing things out by hand. It's slow, frustrating, and prone to human error.

With this MCP, your agent does the heavy lifting. You give it all your recipes and tell it how many people you need to feed. It instantly handles ingredient math, ensuring that if Recipe A needs 2 carrots and Recipe B needs 3 carrots for a family of four, your master list correctly reports '5 carrots total.' You get one definitive source of truth.

Batch Cooking Planner Ingredient Management: Keeping Track of Food Categories

A huge problem when shopping is realizing you bought too much of one thing and forgot another. You might check off 'Proteins' but then realize your plan was light on dairy or vegetables. It’s a confusing mix of ingredients with no clear totals.

Now, the MCP organizes everything by food group. Whether you use `get_category_counts` to verify diversity or simply look at the final list, it keeps Proteins separate from Vegetables and Dairy. Your plan is balanced because your shopping guide forces it to be.

Batch Cooking Planner: 3 Tools for Meal Prep Scaling & Shopping Lists

These tools let your agent handle the entire meal planning process, from scaling individual recipes to generating master shopping lists organized by food category.

#	TOOL	DESCRIPTION
01	`scale_recipe`	Changes all ingredients in one recipe so it matches your target serving size.
02	`generate_shopping_list`	Builds a consolidated list of every ingredient needed across several recipes.
03	`get_category_counts`	Tells you how many unique ingredients are in specific food groups like proteins or vegetables.

See It in Action

Real prompts you can use once this MCP is connected to your AI agent through Vinkius Cloud.

U I'm making chili for 8 people and some chicken stir-fry for 4. What ingredients do I need?

🛒 **Shopping List Generated**

- **Proteins:** Ground Beef (1 kg), Chicken Breast (600g)
- **Vegetables:** Onions (5 units), Bell Peppers (3 units), Corn (2 cans)
- **Dairy:** Shredded Cheese (400g)

(This list accounts for scaling both recipes correctly.)

U How many unique ingredients are in the Protein section of my plan?

Protein Ingredient Count:

There are 11 unique protein sources planned across all your meals. This is great variety! Key items include: Beef, Chicken, Black Beans, Ground Turkey, and Tofu.

U I need to scale the pasta recipe from 6 servings down to 3.

Scaled Recipe: Pasta Carbonara (for 3 people)

You'll now need:
- Pasta: 200g
- Eggs: 2 units
- Pancetta: 75g
- Cheese: 33g

Frequently Asked Questions

01 **How does the Batch Cooking Planner help me combine recipes into one shopping list?**

It takes all your individual recipe lists and merges them into a single, organized document. You'll see everything sorted by food category (Proteins, Vegetables, etc.), so you can shop efficiently.

02 **Can the Batch Cooking Planner adjust ingredients if I change my serving size?**

Yes. If your plans suddenly change from feeding 6 people to 4, you just tell the agent and it automatically adjusts all ingredient measurements for every recipe in the list.

03 **Is this MCP better than using a spreadsheet for meal planning?**

It's much smarter. A spreadsheet requires manual math; this MCP uses its tools to calculate everything instantly, and it organizes the data into consumable shopping lists that are ready for the store.

04 **Does Batch Cooking Planner track ingredient types like dairy and proteins?**

Yes, absolutely. It doesn't just list ingredients; it groups them by food type. You can even ask how many unique items you have in a specific category, which is great for checking dietary balance.

Go Live in 60 Seconds

Get your connection token from **cloud.vinkius.com**, then paste the endpoint URL into any MCP-compatible client.

YOUR MCP ENDPOINT

```
https://edge.vinkius.com/[TOKEN]/mcp
```

CLIENT	WHERE TO CONFIGURE
Claude AI	Profile → Customize → Connectors → "+" → Add custom connector → Paste endpoint
Cursor	Settings → Features → MCP Servers → "+ Add New MCP Server" → Type: SSE → Paste endpoint
VS Code	Ctrl/Cmd+Shift+P → "MCP: Add Server" → add `"batch-cooking-planner": { "url": "…" }`
Windsurf	MCP Settings → `mcp_settings.json` → Add endpoint URL
ChatGPT	Settings → Tools & plugins → Add MCP server → Paste endpoint
Gemini	Extensions → Add MCP Server → Paste endpoint URL

ASK AN AI ABOUT THIS

Let your preferred AI explain this MCP server

- Ask ChatGPT
- Ask Claude
- Ask Perplexity
- Ask Gemini
- Ask Grok

READY TO CONNECT

Batch Cooking Planner is live on Vinkius Cloud.

Get your connection token, paste it into your AI agent, and start building. No SDK. No deployment. Just results.

Start at cloud.vinkius.com →

vinkius.com · support@vinkius.com

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Platform	Vinkius Cloud for AI Agents
Endpoint	`https://edge.vinkius.com/{token}/mcp`

LICENSE & USAGE

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